ROOT training material

an overview

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Train the Trainers Event 2022





The training github repository

root-project/training

- Collection of exercises, courses, slides
 - ROOT macros, Python scripts/notebooks

Nice starting point, very wide range of materials



Summer Students course

root-project/training

- Set of slides + exercises with Jupyter notebooks
- Very long overview of all ROOT components
- C++ and Python



Software Carpentry

root-project/software-carpentry

- Course ranging from ROOT basics to analysis with RDataFrame
- Roughly targeting 3 hours course
- Based fully on Jupyter notebooks



Data analysis courses

CMS Data Analysis School

► ATLAS RDF analysis





website page, doxygen page

- Wide range of tutorials for the various components in ROOT
- RDF tutorials offer good example analyses
 - H --> ZZ, single top production

Useful links

- ► The renewed <u>user manual</u>
 - Detailed explanation of I/O, object ownership, shared libraries, PyROOT, RooFit
- ► The <u>documentation reference</u>
 - Search bar can be your friend
 - Docs are generated according to ROOT version
- ► The <u>forum</u>
 - An undeniably useful source of information (albeit loosely structured)
 - Specific cases/errors/questions that any student could face